

**Chapter 3 Preview**  
Parallel and Perpendicular Lines  
Geometry

Name \_\_\_\_\_

Date \_\_\_\_\_

**Define the following:**

- |                                |                              |
|--------------------------------|------------------------------|
| 1. Parallel Lines              | 9. Alternate Exterior Angles |
| 2. Skew Lines                  | 10. Corresponding Angles     |
| 3. Parallel Planes             | 11. Slope                    |
| 4. Transversal                 | 12. Rate of Change           |
| 5. Interior Angles             | 13. Slope-Intercept Form     |
| 6. Exterior Angles             | 14. Point-Slope Form         |
| 7. Consecutive Interior Angles | 15. Equidistant              |
| 8. Alternate Interior Angles   |                              |

**You *should* be able to do the following objectives:**

1. Identify the relationships between two lines or two planes.
2. Name angle pairs formed by parallel lines and transversals.
3. Use theorems to determine the relationships between specific pairs of angles.
4. Use algebra to find angle measurements.
5. Find slopes of lines.
6. Use slope to identify parallel and perpendicular lines.
7. Write an equation of a line given information about the graph.
8. Solve problems by writing equations.
9. Recognize angle pairs that occur with parallel lines.
10. Prove that two lines are parallel using angle relationships.
11. Find the distance between a point and a line.
12. Find the distance between parallel lines.

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for application. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

Use this Preview Sheet to help keep yourself organized as we progress through Chapter 3. Refer back to it. Understand the concepts that are included.

**Check the class wiki for summary assignments and bonus.**